

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT

Water-quality measurements in the following table were made as part of the National Water-Quality Assessment Program (NAWQA) Reno-Carson City-Spanish Springs Major Aquifer study to monitor quarterly conditions of deep ground water.

Depths and Water Levels: Depths are referenced to land-surface datum (LSD).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Local identifier	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate of well, gal/min (00058)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)			
390943119474802	N15 E19 13CADA2	10-15-03	1000	Environmental	190.	--	--	--	--			
		10-28-03	1000	Environmental	190.	75.58	.50	2.2	641			
		01-27-04	0830	Blank	190.	--	--	--	--			
		01-27-04	1000	Environmental	190.	76.66	.50	.8	636			
		04-05-04	0900	Blank	190.	--	--	--	--			
		04-05-04	1100	Environmental	190.	77.68	1.0	3.3	636			
		07-12-04	1200	Environmental	190.	80.43	.50	3.3	639			
391014119450701	N15 E20 17AACD1	10-27-03	0915	Environmental	700.	--	415	.2	652			
		01-26-04	0930	Environmental	700.	--	510	.4	643			
		04-08-04	1015	Environmental	700.	--	465	.1	644			
		07-12-04	0900	Environmental	700.	--	400	.2	644			
392506119462201	N18 E20 19AABB1	10-29-03	0930	Environmental	530.	--	870	.2	635			
		01-28-04	0930	Environmental	530.	--	850	.2	645			
		04-06-04	0900	Environmental	530.	--	820	.4	641			
		04-06-04	0901	Spike	530.	--	--	--	--			
		07-14-04	0830	Environmental	530.	--	770	.2	645			
393053119445601	N19 E20 16BCAC2	10-29-03	1115	Environmental	191.	--	548	.1	641			
		01-28-04	1100	Environmental	191.	--	550	.2	651			
		04-06-04	1100	Environmental	191.	--	540	.1	648			
		07-13-04	1030	Environmental	191.	--	500	.2	650			
393812119425701	N21 E20 34DDDC1	10-30-03	1000	Environmental	300.	--	860	.1	640			
		10-30-03	1015	Replicate	300.	--	--	--	--			
		01-29-04	0945	Environmental	300.	--	830	.2	650			
		04-07-04	0930	Environmental	300.	37.90	860	.1	649			
		04-07-04	1000	Replicate	300.	--	850	.2	649			
		07-13-04	0830	Environmental	300.	--	800	.2	648			
Station number	Date	Disolved oxygen, mg/L (00300)	Disolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf 25 degC (00095)	Temper-ature, wat air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--	
	10-28-03	.8	9	7.2	239	12.0	13.0	23.7	8.36	2.54	14.4	108
	01-27-04	--	--	--	--	--	--	.01	<.008	<.16	<.10	--
	01-27-04	1.0	11	6.9	239	7.0	11.0	24.6	8.19	2.39	13.6	108
	04-05-04	--	--	--	--	--	--	.02	<.008	E.09	<.10	--
	04-05-04	.9	10	6.6	248	18.0	13.5	24.9	8.71	2.56	14.1	106
	07-12-04	3.3	40	6.8	252	32.0	16.0	25.3	7.94	2.44	13.7	106
391014119450701	10-27-03	.8	9	8.0	191	11.0	15.7	19.9	2.55	.96	19.7	91
	01-26-04	1.6	18	7.3	238	1.0	11.8	27.5	5.47	1.21	17.3	116
	04-08-04	.7	9	7.9	191	17.5	17	20.5	2.58	.87	21.3	93
	07-12-04	.9	11	7.6	201	20.0	16.4	21.3	2.51	.93	19.9	94
392506119462201	10-29-03	4.9	63	7.4	216	19.0	18.2	16.0	10.5	5.69	11.0	122
	01-28-04	4.6	57	7.3	202	5.0	17.3	18.2	11.2	5.63	10.7	106
	04-06-04	4.3	54	7.2	205	15.1	18.2	17.1	10.2	5.49	10.8	106
	04-06-04	--	--	--	--	--	--	--	--	--	--	--
	07-14-04	4.5	57	7.1	215	26.0	18.3	16.4	9.09	5.44	10.3	105
393053119445601	10-29-03	.9	11	7.4	259	31.0	14.8	19.2	8.13	3.56	19.6	88
	01-28-04	1.0	11	7.3	238	10.0	13.1	21.0	8.41	3.59	20.7	88
	04-06-04	1.0	11	7.2	250	23.0	14.1	20.6	8.31	3.48	18.9	87
	07-13-04	1.0	11	7.2	260	25.0	13.9	20.5	7.81	3.57	18.3	87
393812119425701	10-30-03	1.0	12	7.6	946	11.0	14.9	69.4	15.9	5.86	105	178
	10-30-03	--	--	--	--	--	--	--	--	--	--	--
	01-29-04	1.2	14	7.5	954	7.0	14.9	81.2	19.1	6.22	112	183
	04-07-04	1.2	14	7.5	1,020	13.0	15.1	79.1	17.9	6.03	110	184
	04-07-04	1.1	13	7.5	1,020	15.0	15.2	80.5	17.8	6.62	112	184
	07-13-04	1.7	20	7.4	882	21.0	15.7	63.4	14.3	5.77	97.4	162

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Butyl-	Car-	Carbo-	cis-	Desin-	Diazi-				
		ate, water, fltrd, ug/L (04028)	baryl, water, fltrd 0.7u GF (82680)	furan, water, fltrd 0.7u GF (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	Per- methrin water fltrd 0.7u GF (82687)	Cyana- zine, water, fltrd, ug/L (04041)	vinyl fipro- nil, water, fltrd, ug/L (62170)	non, water, fltrd, ug/L (39572)	non-d10 surrog. wat flt 0.7u GF percent recovery (91063)	Diel- drin, water, fltrd, ug/L (39381)
390943119474802	10-15-03	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	103 <.009
	01-27-04	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--
	04-05-04	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	99.3 <.009
	04-05-04	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	101 <.009
	07-12-04	--	--	--	--	--	--	--	--	--	--
	10-27-03	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	91.8 <.005
	01-26-04	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	106 <.009
391014119450701	07-12-04	--	--	--	--	--	--	--	--	--	--
	10-29-03	<.004	E.019	<.020	<.005	<.006	<.018	<.003	<.012	<.005	86.7 <.009
	01-28-04	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.004	E.007	<.020	<.005	<.006	<.018	<.003	<.012	<.005	92.5 <.009
	04-06-04	.099	E.168	E.154	.100	.080	.145	.102	.127	.100	106 .092
392506119462201	07-14-04	--	--	--	--	--	--	--	--	--	--
	10-29-03	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	86.7 <.009
	01-28-04	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	96.8 <.009
	07-13-04	--	--	--	--	--	--	--	--	--	--
393053119445601	10-29-03	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	88.1 <.009
	01-28-04	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	107 <.009
	07-13-04	--	--	--	--	--	--	--	--	--	--
	10-30-03	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	92.9 <.009
393812119425701	01-29-04	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	103 <.009
	04-07-04	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	107 <.009
	07-13-04	--	--	--	--	--	--	--	--	--	--
	10-30-03	--	--	--	--	--	--	--	--	--	--
Station number	Disul- foton, water, fltrd, 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alain, water, fltrd 0.7u GF ug/L (82663)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Desulf- inyl fipro- nil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltrd, ug/L (62167)	Fipro- nil sulfone water, fltrd, ug/L (62168)	Fipro- nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (40495)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
	10-15-03	--	--	--	--	--	--	--	--	--	--
	10-28-03	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	01-27-04	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--
	04-05-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	04-05-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	07-12-04	--	--	--	--	--	--	--	--	--	--
	10-29-03	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	01-28-04	--	--	--	--	--	--	--	--	--	--
391014119450701	10-27-03	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004 <.035
	01-26-04	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	07-12-04	--	--	--	--	--	--	--	--	--	--
	10-29-03	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
392506119462201	01-28-04	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	04-06-04	.07	.099	.129	.103	E.173	E.113	.099	E.152	.099	.097 .108
	07-14-04	--	--	--	--	--	--	--	--	--	--
	10-29-03	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
393053119445601	01-28-04	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	07-13-04	--	--	--	--	--	--	--	--	--	--
	10-29-03	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	01-28-04	--	--	--	--	--	--	--	--	--	--
393812119425701	04-06-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	07-13-04	--	--	--	--	--	--	--	--	--	--
	10-30-03	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	01-29-04	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
393053119445601	04-07-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	07-13-04	--	--	--	--	--	--	--	--	--	--
	10-29-03	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	01-28-04	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
393812119425701	07-13-04	--	--	--	--	--	--	--	--	--	--
	10-30-03	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	01-29-04	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035
	04-07-04	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004 <.035

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NATIONAL WATER-QUALITY ASSESSMENT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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NATIONAL WATER-QUALITY ASSESSMENT—Continued

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NATIONAL WATER-QUALITY ASSESSMENT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Date	Vinyl chlor- ide, water, unfltrd ug/L (39175)	Alpha radioac 30 day, wat flt Th-230, pCi/L (62639)	Alpha radioac 72 hr, wat flt Th-230, pCi/L (62636)	Beta radioac 30 day, wat flt Cs-137, pCi/L (62645)	Beta radioac 72 hr, wat flt Cs-137, pCi/L (62642)	Deu- terium/ Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)	Ra-226, water, fltrd, radon method pCi/L (09511)	Ra-228, water, fltrd, pCi/L (81366)	Uranium natural water, fltrd, ug/L (22703)
390943119474802	10-15-03	--	--	--	--	--	-111	-14.96	--	--	--
	10-28-03	<.1	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--
	01-27-04	--	--	--	--	--	--	--	--	--	--
	04-05-04	<.1	--	--	--	--	--	--	--	--	<.04
	04-05-04	<.1	--	--	--	--	--	--	--	--	1.16
	07-12-04	--	M	M	4	2	--	--	.01	M	--
391014119450701	10-27-03	<.1	--	--	--	--	--	--	--	--	--
	01-26-04	--	--	--	--	--	--	--	--	--	--
	04-08-04	<.1	--	--	--	--	--	--	--	--	29.5
	07-12-04	--	7	8	14	3	--	--	.12	M	--
392506119462201	10-29-03	<.1	--	--	--	--	-115	-15.41	--	--	--
	01-28-04	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.1	--	--	--	--	--	--	--	--	3.46
	04-06-04	1.2	--	--	--	--	--	--	--	--	--
	07-14-04	--	M	M	7	6	--	--	.06	M	--
393053119445601	10-29-03	<.1	--	--	--	--	--	--	--	--	--
	01-28-04	--	--	--	--	--	--	--	--	--	--
	04-06-04	<.1	--	--	--	--	--	--	--	--	.88
	07-13-04	--	M	M	4	3	--	--	.02	M	--
393812119425701	10-30-03	<.1	--	--	--	--	-112	-14.26	--	--	--
	10-30-03	--	--	--	--	--	-112	-14.25	--	--	--
	01-29-04	--	--	--	--	--	--	--	--	--	--
	04-07-04	<.1	--	--	--	--	--	--	--	--	9.74
	04-07-04	<.1	--	--	--	--	--	--	--	--	9.62
	07-13-04	--	1	3	7	6	--	--	.11	M	--

Remark codes used in this table:

< -- Less than

E -- Estimated value

M-- Presence verified, not quantified

^a -- Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.